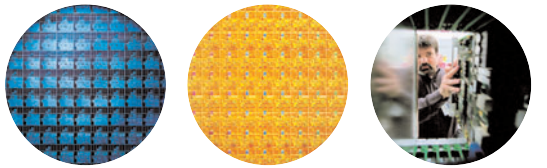
Intel® Embedded Graphics Driver (IEGD)

IEGD Features by Intel® Architecture Chipset

Refer to this chart for IEGD feature functionality. Each IEGD feature is supported on a particular Intel® architecture chipset beginning with the IEGD version number listed in each respective Intel chipset column. To see which Intel® Architecure Processors are validated with each Intel chipset, see developer.intel.com/design/chipsets/embedded/index.htm



Embedded Intel® Architecture

	Driver Release	IEGD Features	Intel® Architecture Chipsets					
			815/815E	845GV	852GME	855GME	915GV	915GM
Driver	4.0	Performance Improvements (2D and 3D)	n/a	4.0	4.0	4.0	4.0	4.0
		Advanced Extended Display Identification Data (EDID) Configuration	n/a	4.0	4.0	4.0	4.0	4.0
		Auto-enable Bus Mastering	4.0	4.0	4.0	4.0	4.0	4.0
	3.4	Installer/De-installer (Windows* only)	3.4	3.4	3.4	3.4	4.0	4.0
		Display Modes Graphical User Interface (GUI): (Windows and Linux* only)	3.4	3.4	3.4	3.4	4.0	4.0
	3.3	Full ACPI Support on Windows	n/a	3.3	3.3	3.3	4.0	4.0
		Display Discovery and Initialization (Driver Only)	3.3	3.3	3.3	3.3	4.0	4.0
		Dual DVO Through Single Device (e.g., CH7017)	3.3	3.3	3.3	3.3	4.0	4.0
	3.2	Dynamic Port Driver	3.2	3.2	3.2	3.2	4.0	4.0
		Configurable ICH GPIO for Panel Backlight and Power Control	3.2	3.2	3.2	3.2	4.0	4.0
	3.1	Partial ACPI Standby Support	n/a	3.1	3.1	3.1	4.0	4.0
		Ability to Set Port as Inactive	3.1	3.1	3.1	3.1	4.0	4.0
		Dual Digital Display Output Support	n/a	3.1	3.1	3.1	4.0	4.0
		Universal .inf for Multiple Platform Configuration (Windows only)	3.1	3.1	3.1	3.1	4.0	4.0
	3.0	Dynamic Mode Support Using EDID Information	3.0	3.0	3.0	3.0	4.0	4.0
		(Dynamically adds new timing sets fully described in EDID)						
		Multi-Refresh, Multi-Resolution Support	3.0	3.0	3.0	3.0	4.0	4.0
		(Driver does not assume fixed resolution or timings on digital display)						
		Rotation and Inverted Display	3.0	3.0	3.0	3.0	4.0	4.0
		Allows Manual Specification of Display Timing Sets	3.0	3.0	3.0	3.0	4.0	4.0
		EDID-less (non-EDID compliant) Display Support	3.0	3.0	3.0	3.0	4.0	4.0
		Dual Independent Display (Microsoft Extended Desktop,* XFree86* Xinerama*)	n/a	n/a	3.0	3.0	n/a	4.0
		Clone Dual Display Support	n/a	n/a	3.0	3.0	4.0	4.0
		Twin Dual Display Support	3.0	3.0	3.0	3.0	4.0	4.0
VBIOS	4.0	Updated Chipset Support	n/a	4.0	4.0	4.0	4.0	4.0
		Legacy VBIOS and New 3.4 VBIOS Backwards Compatibility	n/a	4.0	4.0	4.0	n/a	n/a
	3.4	IEGD Legacy VBIOS Support	n/a	3.4	3.4	3.4	n/a	n/a
		Additional DVO Transmitter Support	n/a	3.4	3.4	3.4	4.0	4.0
		Improved User Build System	n/a	3.4	3.4	3.4	4.0	4.0
		Expanded Support for Dual Display Configurations	n/a	3.4	3.4	3.4	4.0	4.0
		Display Discovery and Initialization	n/a	3.4	3.4	3.4	4.0	4.0
	3.3	Full VESA Mode Support	n/a	3.3	3.3	3.3	4.0	4.0
		POST to Internal LVDS and DVO/sDVO	n/a	3.3	3.3	3.3	4.0	4.0
	3.1	VESA Modes 115h and 118h Support	n/a	3.1	3.1	3.1	4.0	4.0
	3.0	Full VGA Modes Support	n/a	3.0	3.0	3.0	4.0	4.0
		EDID-less (non-EDID compliant) Display Support	n/a	3.0	3.0	3.0	4.0	4.0

	Driver Release	IEGD Features	Intel® Architecture Chipsets					
			815/815E	845GV	852GME	855GME	915GV	915GM
Digital Display	4.0	Chrontel: CH7307* Serial DVO (DVI)	n/a	n/a	n/a	n/a	4.0	4.0
		Chrontel: CH7308* Serial DVO (LVDS)	n/a	n/a	n/a	n/a	4.0	4.0
		Internal TV-out	n/a	n/a	n/a	n/a	n/a	future
	3.3	Chrontel: CH7305* (LVDS)	3.3	3.3	3.3	3.3	n/a	n/a
		Chrontel: CH7010* (DVI + TV)	3.3	3.3	3.3	3.3	n/a	n/a
	3.2	Chrontel: CH7017* (LVDS + TV)	3.2	3.2	3.2	3.2	n/a	n/a
	3.1	Chrontel: CH7301* (DVI)	3.1	3.1	3.1	3.1	n/a	n/a
	3.0	Silicon Image: Sil 164 CT64* (DVI), Sil 164 CTG64* (DVI)	3.0	3.0	3.0	3.0	n/a	n/a
		Chrontel: CH7009A*, CH7009B* (DVI + TV)	3.0	3.0	3.0	3.0	n/a	n/a
		THine: THC63DV164* (DVI)	3.0	3.0	3.0	3.0	n/a	n/a
		National Semiconductor: NS2501* (LVDS)	3.0	3.0	3.0	3.0	n/a	n/a
		National Semiconductor: NS387R* (LVDS)	3.0	3.0	3.0	3.0	n/a	n/a
		Focus: FS453*, FS454* (TV)	3.0	3.0	3.0	3.0	n/a	n/a
		Internal LVDS	n/a	n/a	3.0	3.0	n/a	n/a
Driver Support OSs and APIs	4.0	Vertical Extended Display Support (Windows CE .NET* 4.2 and 5.0 only)	n/a	n/a	4.0	4.0	n/a	4.0
		Support for Default VGA Modes	4.0	4.0	4.0	4.0	4.0	4.0
		Windows CE .NET 5.0 (DirectDraw* only)	4.0	4.0	4.0	4.0	4.0	4.0
	3.3	Fedora* Core 2 (Kernel 2.6 and X.org)	3.3	3.3	3.3	3.3	4.0	4.0
	3.2	Port Driver Software Development Kit (Windows and Linux only)	3.2	3.2	3.2	3.2	4.0	4.0
		DOS* Support (IBM PC DOS 2000*, Microsoft DOS 6.22*)	3.2	3.2	3.2	3.2	4.0	4.0
		Red Hat 9 Linux* (2.4.20–8 Kernel)	3.2	3.2	3.2	3.2	4.0	4.0
		Microsoft						
		Japanese: Windows 2000*, Windows XP*	3.2	3.2	3.2	3.2	4.0	4.0
		Traditional Chinese: Windows 2000, Windows XP	3.2	3.2	3.2	3.2	4.0	4.0
		Korean: Windows 2000, Windows XP	3.2	3.2	3.2	3.2	4.0	4.0
		Direct3D* (DirectX* 8.1, DirectX 9.0)	n/a	3.2	3.2	3.2	4.0	4.0
	3.1	Red Hat 9 Linux (2.4.24 Kernel)	3.1	3.1	3.1	3.1	4.0	4.0
		SUSE 8 Linux*	3.1	3.1	3.1	3.1	4.0	4.0
	3.0	Runtime Operation API	3.0	3.0	3.0	3.0	4.0	4.0
		Red Hat 8 and 9 Linux*	3.0	3.0	3.0	3.0	4.0	4.0
		Microsoft						
		Windows 2000 (SP4), Windows XP (SP1), Windows XP Embedded (SP1)	3.0	3.0	3.0	3.0	4.0	4.0
		Windows CE .NET 4.2	3.0	3.0	3.0	3.0	4.0	4.0
		Windows NT* 4.0	3.0	3.0	3.0	3.0	4.0	4.0
		DirectDraw (DirectX 8.1, DirectX 9.0, DirectX 3)	3.0	3.0	3.0	3.0	4.0	4.0

Printed in USA 0505/DLC/OCG/XX/PDF Please Recycle 307929-001US